

30038

S/032/61/027/011/005/016

B116/B102

Determination of the diffusion ...

There are 3 figures, 1 table, and 7 references: 2 Soviet and 5 non-Soviet. The four most recent references to the English-language publications read as follows: F. M. Smits, R. C. Miller. Phys. Rev., 104, 1242 (1956); R. C. Miller, F. M. Smits. Phys. Rev., 107, 1, 65 (1957); M. C. Coupland. Proc. Phys. Soc., 73, 4, 472 (1959); K. Lohovec. Appl. Phys., 28, 4 (1957).

Fig. 5.  $\frac{a}{C_0 t s} = f\left(\frac{D_2 t}{l^2}\right)$  at different values of the parameter  $z = \frac{D_1 t}{l}$ .

Card 5/35

S/181/61/003/011/017/056  
E:02/B138

26.241

AUTHORS: Kozlovskaya, V. M., and Rubinshteyn, R. N.

TITLE: Calculation of solubility and vapor pressure for systems  
semiconductor - impurity

PERIODICAL: Fizika tverdogo tela, v. 3, no. 11, 1961, 3354-3362

TEXT: The authors calculated the solidus curves, vapor pressure and  
solubility for binary systems of a semiconductor (Si, Ge) plus impurity.  
Since the solubility of impurities in solid Ge or Si is very low  
(0.01 - 0.001 %) published experimental data diverge and need verification.

For the liquidus curves of regular solutions with low mutual solubility .

the following relation is derived:  $T = \left[ L_1^m + \lambda^1 (1 - N_1^1)^2 \right] / \left[ (L_1^m / T_1^m) - R \ln N_1^1 \right]$

$L_1^m$  denotes the melting heat of the pure component,  $N_1^1$  the atomic fraction  
of the main component (Ge, Si, subscript 1),  $T_1^m$  is the melting temperature  
and  $\lambda^1$  a constant which is independent of concentration. The following  
 $\lambda^1$  values were found (given in cal/mole):

Card 1/4/3

X

30782

S/181/61/003/011/017/056

B102/B138

## Calculation of solubility and...

Ge Si      The impurity vapor pressure above the liquid  
 Al -2600 -3000      solution was found to be  
 Sb 820 6000       $p_2^1 = p_{20}^1 (N_2^1)^n \exp[(n\lambda^1/RT) \cdot (1 - N_2^1)^2]$  and above the  
 Ge -160 2000      solid solution  $p_2^s = p_{20}^s (N_2^s)^n \exp(n\lambda^s/RT)$ ;  $N_2^s \ll 1$ .  
 In 700 5800  
 Bi 3900 -  
 Tl 3640 -      The subscript 2 refers to the impurity component.  
 $p_{20}^{s(1)}$  is the vapor pressure above the pure solid  
 (or liquid) impurity, n the number of atoms per vapor molecule,  
 $N_2^{s(1)} = 1 - N_1^{s(1)}$ . In the following the maximum solubility of the impurity  
 in solid solutions is determined for temperatures above eutectic point  
 (solidus curves).  $p_2^1/p_{20}^s = \exp[(L_2^m/R)(1/T - 1/T_2^m)]$ , for  $p_2^1 = p_2^s$  and the  
 segregation coefficient is given by  

$$K = \exp\left[\left(L_2^m/nR\right)\left(\frac{1}{T} - \frac{1}{T_2^m}\right) + \frac{\lambda^2(1 - N_2^1)^2 - \lambda^s}{RT}\right]$$

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X

S/161/003/011/017/056

B102/B138

Calculation of solubility and...

or, at  $T_1^m$ , by  $K = K_o = \exp \left[ \left( L_2^m / nR \right) \left( \frac{1}{T_1^m} - \frac{1}{T_2^m} \right) + \frac{\lambda^1 - \lambda^S}{RT_1^m} \right]$ . The  $\lambda^S$  values are

given in Table 2. Finally the authors determined the solubility in solid solutions at temperatures above eutectic point, and the vapor pressure, for the systems: Al-Ge, Al-Si, Sb-Ge, Sb-Si, Ga-Ge, Ga-Si, In-Ge, In-Si, Bi-Ge and Tl-Ge. From the solidus curves of these systems it can be seen that in most of them solubility passes through a maximum. The absolute solubility values are always very small. There are 12 figures, 2 tables, and 16 references: 1 Soviet and 15 non-Soviet. The four most recent references to English-language publications read as follows:

R. A. Gudmundsen a. J. Maserjian. J. Appl. Phys., 28, 1308, 1957;  
R. N. Hall. J. Phys. Chem. Sol., 3, 63, 1957; F. A. Trumbore. Bell. Syst. Techn. J., XXXIX, 1, 205, 1960; J. J. Rohan, N. E. Pickering a.  
J. Kennedy. J. Electrochem. Soc., 106, 705, 1959.

SUBMITTED: June 5, 1961

Card 3/4 *3*

X

RUBINSHTEYN, R.N.; FISTUL', V.I.

Method for evaluating the concentration distribution of alloying admixtures in a fused in p-n junction. Zav.lab. 27 no.10:1242-1246  
'61. (MIRA 14:10)

(Indium-geranium-gallium alloys)

POSTNIKOV, I.V.; RUBINSSTEYN, R.N.

Determination of the coefficients of diffusion and solubility of  
volatile elements in solid solutions. Zav.lab. 27 no.11:1364-1369  
'61. (MIRA 14:10)

(Solutions, Solid) (Diffusion)

GALKINA, N.K.; RUBINSHTEYN, R.N.; SENYAVIN, M.M.

Statics of ion exchange in mixtures. Dokl.AN SSSR 137 no.5:1144-  
1146 Ap '61. (MIRA 14:4)

1. Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo  
AN SSSR. Predstavлено академиком A.P.Vinogradovym.  
(Ion exchange)

RUBINSHTEYN, R.N.; KARPEL', N.G.

Spectral determination of organic contamination on the surface  
of metallic parts. Fiz.sbor. no.4:182-183 '58. (MIRA 12:5)

1. Nauchno-issledovatel'skiy institut radiotekhnicheskoy  
promyshlennosti.  
(Spectrum analysis)

RUBINSHTEYN, R.N.; MENDLINA, N.G.

Rapid method for determining hydrogen in powdered titanium metal.  
Zav. lab. 25 no.1:34-36 '59. (MIRA 12:1)  
(Titanium--Analysis) (Hydrogen--Analysis)

RUBINSSTEYN, R. N.

Method of calculating the background and impurities of the basic substance in synthetic standard specimens with the aid of graph paper.  
Zav.lab. 25 no. 3:308-310 '59. (MIRA 12:4)  
(Spectrophotometry)

## PAGE I BOOK EXPLANATION

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"Prov. Universitet

SOV/1700

Materijaly i Vsesoyuznoye soveshchaniye po spektrokopii, 1956.  
 b. II: Atomya, spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956; Vol. 2: Atomic Spectroscopy).  
 Avtozdrav L'vovskogo univ., 1958. 568 p. (Series: 1c:  
 Pis'mennyj zhurnal, vyp.(9);) 3,000 copies printed.

Additional Sponsoring Agency: Akademija nauk SSSR. Komisiya po  
 spektrokopii.

Editorial Board: G.J. Landberg, Academician, (Resp. Ed.);  
 B.S. Reporen, Doctor of Physical and Mathematical Sciences;  
 I.L. Fabrikant, Doctor of Physical and Mathematical Sciences;  
 V.A. Fabrikant, Doctor of Physical and Mathematical Sciences;  
 V.G. Moritash, Candidate of Technical Sciences; S.M. Raskovskiy,  
 Candidate of Physical and Technical Sciences; I.K. Vinogradskiy,  
 Candidate of Physical and Mathematical Sciences; V.J. Killyanuk  
 (Deceased), Doctor of Physical and Mathematical Sciences;  
 G.I. Danilevskiy, Doctor of Physical and Mathematical Sciences;  
 M.I. S.J. Gasky, Tech. Adm.; T.V. Jaranyuk.

Purpose: This book is intended for scientists and researchers in  
 the field of spectroscopy, as well as for technical personnel  
 using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies  
 of atomic spectroscopy presented at the 10th All-Union Conference  
 on Spectroscopy in 1956. The studies were carried out by  
 members of scientific and technical institutes and include  
 extensive bibliographies of Soviet and foreign sources. The  
 studies cover many phases of spectroscopy: spectra of rare earths,  
 electromagnetic radiation, physicochemical methods for controlling  
 uranium production, physics and technology of gas discharge,  
 optics and spectroscopy, abnormal dispersion in metal vapors,  
 spectroscopy and the combustion theory, spectrum analysis of ores  
 and minerals, photographic methods for quantitative spectrum  
 analysis of metals and alloys, spectral determination of the  
 hydrogen content of metals by means of isotopes, tables and  
 atlases of spectral lines, spark spectropscopic analysis,  
 statistical study of variation in the parameters of calibration  
 curves, determination of traces of metals, spectrum analysis in  
 metallurgy, thermochromictry in metallurgy, and principles and  
 practice of spectrochemical analysis.

Card 2/31

materijaly i vsej auru All-Union Conference (Cont.)

SOV/1700  
 Melamed, Sh.O. and A.M. Saltykova. Spectrographic  
 Determination of Tin, Lead, Antimony, and Cadmium in  
 Titanium, Zirconium, Tantalum, and Niobium 181  
 Subbotin, E.M. and N.G. Karpol'. Spectral Determination  
 of Organic Impurities on the Surface of Metal Parts 182  
 Butasov, A.K. and N.V. Il'yasova. Atlas for the Identification  
 of Flame Spectra of Elements of 2,800-9,000 Å wavelengths 184  
 Alekseyev, A.I., Yu. G. Orlyam, J.E. Kalinin, Yu. A. Kuznetsov,  
 and V.I. Narbutov. First Edition of the Spectral Atlas  
 of Elements: The Mercury Spectrum 185  
 Gurevich, I.N. The UTP-1 Pulse Photometer for Measuring  
 Instantaneous Luminescent Flux 187  
 Sheratkov, Yu. A. and M.N. Koskov. Photoelectric Method  
 for Recording Contours of Spectral Lines in a D-C Arc 188  
 Prof. O.P. A.I. Prosvir, and D.A. Shkolov. Spectral Charac-  
 teristics of Ultraviolet Radiation Sources and Receivers 190  
 Card 12/31

SOV/J2-25-3-20/62

5(2)

AUTHOR:

Rubinshteyn, R. N.

TITLE:

A Method of Calculating the Background and the Impurities of the Basic Substance in Synthetic Standard Samples by Means of a Transparency (Metod ucheta fona i zagryazneniya osnovy v sinteticheskikh etalonakh s pomoshch'yu transporanta)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, pp 308-310 (USSR)

ABSTRACT:

For determining small amounts of admixtures ( $10^{-3}\%$  and less) in spectrum analyses, synthetic standard samples are produced on the basis of a slightly polluted basic substance and the content of impurities is calculated. A simple graphic method of these determinations has been worked out which is free of the deficiencies of the methods used so far. In principle, the method works as follows: tracing-paper is put on paper with logarithmic scale on both axes and the corresponding curves are entered. By a "superposition" of the curves of the standard sample on those of the substance to be investigated the value  $C_x$  can be calculated for the concentration of the admixtures in the sample under investigation. The corresponding calculation

Card 1/2

A Method of Calculating the Background and the Impurities of the Basic Substance in Synthetic Standard Samples by Means of a Transparency  
SOV/32-25-3-20/62

equations and a diagram (Fig) with the description of the method of calculation are given. There is 1 figure.

Card 2/2

RUBINSHTEYN, R.P., inzh.

Pulp heating (from "La Papeterie," no.3-12, 1957). Bum. prom.  
34 no.4:26-27 Ap '59. (MIRA 12:7)  
(Paper industry--Equipment and supplies)

RUBINSHTEYN, R.P., inzh., referent

Manufacture of coated papers in the U.S.A. Bum.prom. 35  
no.2:27-30 F '60. (MIRA 13:6)  
(United States--Paper)

SIDOROVA, A.V.; RUBINSHTEYN, R.P.

More consideration to be given to the quality of the bookbinding  
board and flyleaf paper. Bum.prom. 35 no.3:10-12 Mr '60.  
(MIRA 13:6)

1. Nachal'nik laboratorii pervoy Obraztsovoy tipografii im.  
Zhdanova (for Sidorova). 2. Nachal'nik otdela bumagi Goslitizdata  
(for Rubinshteyn).  
(Paperboard) (Bookbinding)

RUBINSHTEYN, R.P., inzh.

Particular economic aspects of the paper industry in the  
countries of Western Europe. Bum.prom. 34 no.8:22  
Ag '59 (MIREA 12:12)  
(Europe, Western--Paper industry)

ALISOV, B.P.; DROZDOV, O.A., joint author; RUBINSSTEIN, Evgeniya Samoilovna, 1891-[redaktor].

[Course in climatology. Part 3. Climates of the earth] Kurs klimatologii.  
Ch.3. Klimaty zemnogo shara. Pod red. E.S. Rubinshtein. Leningrad, Gidrometeorologicheskoe izd-vo, 1952. (MLRA 6:7)  
(Climatology)

5(2)

SOV/32-25-1-18/51

AUTHORS:

Rubinshteyn, R. N., Mendlin, N. G.

TITLE:

Rapid Method for Determining Hydrogen in Pulverized Metallic Titanium (Bystryy metod opredeleniya vodoroda v poroshkovom metallicheskem titane)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 34-36 (USSR)

ABSTRACT:

Two variants of a method of determining small quantities of hydrogen are described. The method is based on the measurement of the hydrogen pressure on titanium heated to 600-700° (Refs 1,2). In the case of the first variant, the hydrogen pressure is measured during a continuous evacuation (by means of a capillary tube). The other variant determines the balanced hydrogen pressure obtained after a partial evacuation. The method offers the advantage that no mercury is required for the process, and only a relatively simple equipment is needed. The apparatus has a quartz tube, which is connected to the vacuum system by way of a water-cooled section. A pressure gauge container of the LT-2 type is employed. The  $10^{-5}$  torr vacuum is produced by means of a diffusion pump of the MM-40 type. A description is given of the working technique of either variant

Card 1/2

SOV/32-25-1-18/51

Rapid Method for Determining Hydrogen in Pulverized Metallic Titanium

giving an illustration of the equipment. The first variant (of the continuous hydrogen evacuation) is more accurate and more rapid, but its calculations are more complicated. Determination results with titanium samples are given (Table), as well as a graphic representation of the typical curves standing for the change of  $\lg P$  with time, in continuous evacuation (Fig 2) and in successive evacuations (Fig 3). There are 3 figures, 1 table, and 5 references, 4 of which are Soviet.

Card 2/2

AUTHORS:

Rubinshteyn, R. N., Postnikov, I. V., Iyelev, A. P.

TITLE:

The Analytical Part of the Apparatus for the Vacuum Extraction of Gases Without Mercury (Analiticheskaya chast' ustanki dlya vakuumnye ekstraktsii gazov bez rtuti)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 9, pp 1135-1141 (USSR)

ABSTRACT:

An apparatus is described by means of which the content of H<sub>2</sub>, H<sub>2</sub>O, CO<sub>2</sub>, and CO, and, from the difference, the sum of argon and nitrogen can be determined. The arrangement of the analytical part is described as a special feature and illustrated by a diagram; this part functions on the principle of fractional freezing-out between the gas source and the diffusion pump. It can be seen from the operation, among others, that hydrogen and CO are oxidized to water and CO<sub>2</sub> by copper oxide in a furnace. The pressure, measured by a tube LT-2 or another manometer of the Pirani type, determines the nitrogen and argon contents. It is supposed that the described pattern is applicable only to the range of a Knudsen flow. The operation of the oxidation

Car 1/2

The Analytical Part of the Apparatus for the Vacuum Extraction of Gases  
Without Mercury SOV/32-24-9-32/53

furnace is investigated more precisely and a number of mathematical explanations are given. The calculations mentioned make it possible to choose parameters, with any type of oxidation furnace, which secure a certain process time, or vice versa no matter how the oxidation furnace is built. In order to test the accuracy of the analysis, a gas mixture of known content of H<sub>2</sub>, CO, CO<sub>2</sub> and N<sub>2</sub> was used. It follows from the table given, among others, that at temperatures below 1000°K there is a complete oxidation of H<sub>2</sub> and CO, which process occurs, however, at a significantly lower velocity below 670°K. There are 6 figures, 3 tables, and 1 reference, which is Soviet.

Card 2/2

RUBINSHTEYN, R.P., inzh.

Brochures on problems of pulp and paper production. Bum.prom. 34  
no.3:31-32 Mr '59. (MIRA 12:4)  
(Bibliography--Paper industry)  
(Bibliography--Woodpulp industry)

BELINSKAYA, N.I.; NIKOLAYEVSKAYA, Ye.Ye.; RUBINSHTEYN, R.P.

Newspaper with a reduced bleached woodpulp content. Bum. prom.  
31 no.7:6-8 Jl '56. (MLRA 9:10)

1. Moskovskiy filial TSentral'nogo nauchno-issledovatel'skogo  
instituta bumagi (for Belinskaya, Nikolayevskaya) 2. Goslitizdat  
(for Rubinshteyn).  
(Newspaper)

RUBINSHTEYN, R.P., inzh.

"New developments in newsprint manufacture" by D.M. Fliate.  
Reviewed by R.P. Rubinshteyn. Bum. prom. 33 no.8:29 Ag '58.  
(Newsprint) (MIRA 11:10)  
(Fliate, D.M.)

RUBINSHTEYN, R.P., inzhener

Manufacture of lightweight printing paper. Bum.prom.30 no.8:20-21  
Ag'55.

(Paper industry)

POPOV, Ivan Petrovich; RUBINSHTEYN, Ruvim L'vovich; SHATROVA, Ye.S.,  
redaktor; KONYASHINA, A., tekhnicheskiy redaktor

[Dyeing clothes at home] Okraska odezhdy v domashnikh usloviakh.  
Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955.  
43 p. (MIRA 9:2)  
(Dyes and dyeing) (Textile fabrics)

BALASHOV, A.; RUBINSHTEYN, S.

First All-Russian conference on the consolidation of data on  
designing, constructing, and operating water supplying systems  
for oil field flooding. Neft. khoz. 38 no.10:69-70 0 '60.

(MIRA 13:9)

(Oil field flooding)

RUBINSHTEYN, S.

23562. ISPYTANIYA OTECHESTVENNYKH MNOGOFUNKTSIONAL' NYKh PRISAKOK K MASLAM  
NA MALOLITRAZHNOM DVIGATELE. AVTOMOBIL', 1949, No. 7, c. 10-11.

SO: LETOPIS', NO. 31, 1949

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445820012-4

~~R. L. BINS H. T. C. Y. N. S.~~

9MB RHA

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445820012-4"

RUBINSSTEYN, S.

"Design, construction, and use of water-supply systems for  
oil field flooding." Reviewed by S.Rubinshteyn. Neft. khoz.  
40 no.7:3 of cover Jl '62. (MIRA-17:3)

RUBINSHTEYN, S.

The first school atlas. Geog. v shkole no.3:73 My-Je '47.  
(Atlases) (MLRA 9:6)

ANIKUSHIN, V.; RUBINSHTEYN, S.; GUBENKO, A., doktor tekhn.nauk; KOVAL'CHUK, L.,  
kand.tekhn.nauk; GODILO, P., inzh.

Rapid gluing of wood. Na stroi.Ros. 3 no.9:29-31 S '62.

(MIRA 15:12)

1. Direktor Domostroitel'nogo fanernogo kombinata No.3 Glavnogo upravleniya promyshlennosti stroitel'nykh materialov i stroitel'nykh detaley (for Anikushin).
2. Glavnyy inzh. Domostroitel'nogo fanernogo kombinata No.3 Glavnogo upravleniya promyshlennosti stroitel'nykh materialov i stroitel'nykh detaley (for Rubinshteyn).
3. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for Godilo).

(Gluing)

RUBINSHTEYN, S. A.

Cand. techn. sci.

Dissertation: "Investigation of the Influence of Geometrical Parameters of Cutters on Chip Contraction, Effort and Speed of Cutting." Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman, 27 Jan 47.

SC: Vechernaya Moskva, Jan, 1947 (Project #17836)

BASHLAVINA, G.N.; RUBINSHTYN, S.A.

School maps during the thirty years of Soviet power. Geog. v  
shkole no.4:50-52 Jl-Ag '47. (MLRA 9:6)  
(Geography--Study and teaching)

RUBINSHTEIN, S. A.

RUBINSHTEIN, S. A. Chto chitat' o piatiletnem plane vosstanovlenii i razvitiia narodnogo khoziaistva SSSR na 1946- 1950 gg. (Geografiia v shkole, 1947, no. 5, p. 76.)

DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

RUBINSHTEYN, S. A.

PA 37/49T40

USSR/Engineering

Jul 48

Tools, Cutting

Tools, Machine

"New Designs of Tangential Cutters," S. A. Rubin-  
shteyn, Cand Tech Sci, Moscow Night Mach-Bldg  
Inst, 2 $\frac{1}{4}$  pp

"Stanki i Instrument" No 7

Examines use of tangential cutters with variable  
angle in plan, and of tangential radial cutters.  
These cutters have great advantages, and should  
find wide application, especially in series and  
mass production. Gives practical directions for  
use, with five sketches.

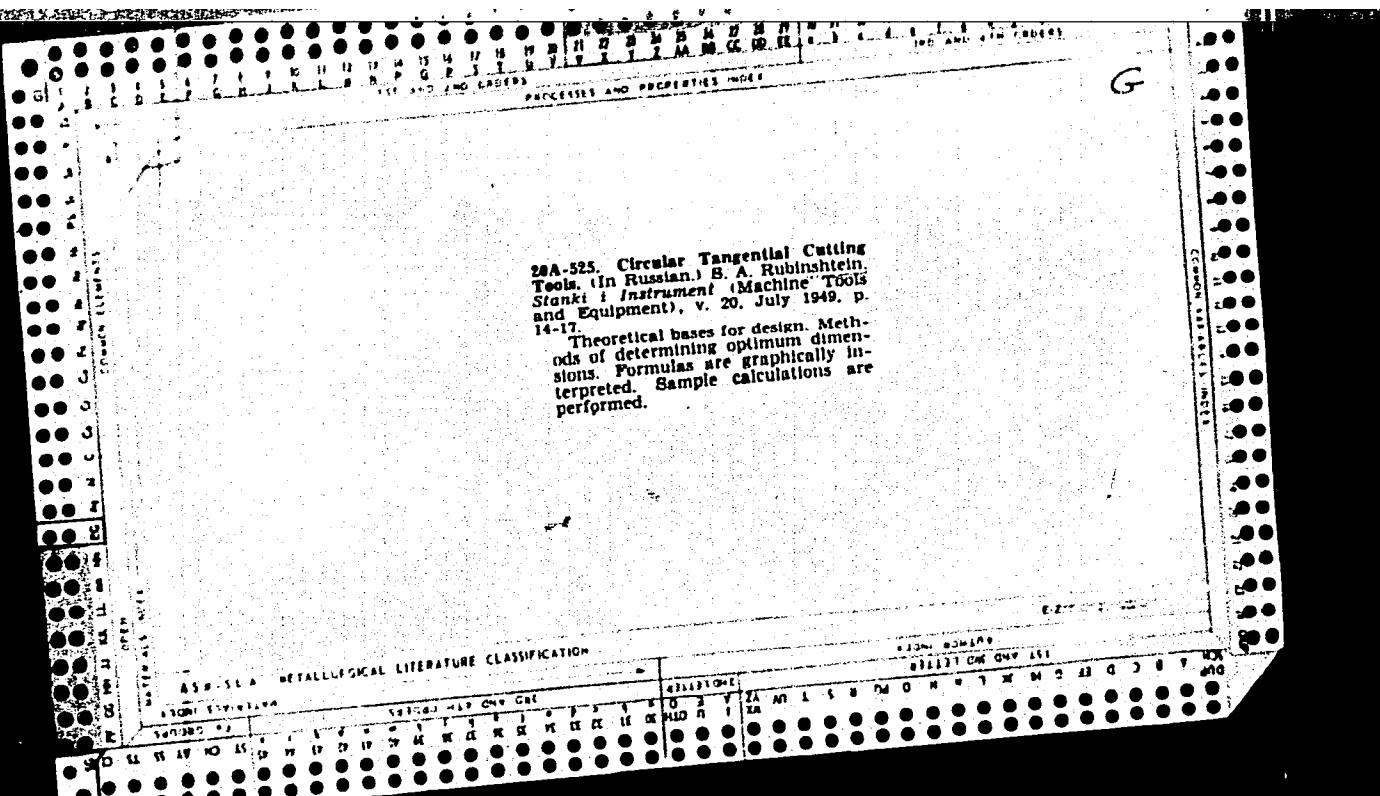
37/49T40

1. RUMIISKII, S. A.

2. USSR (60)

7. Forming Tools for Planing and Slotting, Machine Tools and Instruments No. 10,  
Oct 48

9. Compilation of Information of the USSR Machine and Machine Tools Industry  
Contained in Soviet Publications. [REDACTED]



RUBINSHTEYN, S. A.

Cand Tech Sci

Dissertation: "Investigation of the Effect of Cutter Geometrical Parameters on  
the Chip Contraction and Cutting Stress and Speed."

13/3/50

Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman.

SO Vecheryaya Moskva  
Sum 71

BRAVICHEV, V.A., kandidat tekhnicheskikh nauk, dotsent; BRODOVICH, N.V., kandidat tekhnicheskikh nauk; VLASOV, V.I., kandidat tekhnicheskikh nauk, retsenzent, redaktor; YEGOROV, A.N., professor, retsenzent, redaktor; ZOBININ, N.P., doktor tekhnicheskikh nauk, professor;; IVANNIKOV, D.G., kandidat tekhnicheskikh nauk, dotsent; KIRKIN, V.G., doktor tekhnicheskikh nauk, professor; KOTOV, O.K. kandidat tekhnicheskikh nauk; MARIYENBAKH, L.M., doktor tekhnicheskikh nauk, professor; MASHONIN, P.A., inzhener, HUBINSHTEYN, S.A., inzhener, RUDOV, M.L. inzhener, YUDIN , D.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; PETROV, N.I.. inzhener, retsenzent; SIDOROV, S.I., inzhener, retsenzent; SOKOLOV, I.G., kandidat tekhnicheskikh nauk, retsenzent; BERESTOVA, Ye.I., inzhener, retsenzent; DOROKHIN, P.N., kandidat tekhnicheskikh nauk, retsenzent; HUSTEV, S.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; LARIN, M.N., laureat Stalinskoy premii, professor, doktor tekhnicheskikh nauk, retsenzent; SOKOLOV, A.V., inzhener, retsenzent; GRUDOV, P.P., laureat Stalinskoy premii, dotsent kandidat tekhnicheskikh nauk, retsenzent;DONNER, L.L., inzhener, retsenzent; ZOBININ, professor. doktor tekhnicheskikh nauk, retsenzent; BELAVENTSEV, N.V., inzhener, retsenzent; SYCHEV, B.P., dotsent, retsenzent; SHKOL'NIK, L.M., kandidat tekhnicheskikh nauk, retsenzent; LOBANOV, D.V.. kandidat tekhnicheskikh nauk,dotsent, retsenzent, redaktor; MASHONIN, P.A., inzhener, retsenzent, redaktor; OBUKHOV, A.V., inzhener, redaktor; BELETSKIY, D.G., kandidat tekhnicheskikh nauk, dotsent, redaktor; ODING, I.A., redaktor; LEVITSKIY, kandidat tekhnicheskikh nauk, dotsent, redaktor; YUDSON, D.M., tekhnicheskiy redaktor

(Continued on next card)

BRAVICHEV, V.A. kandidat tekhnicheskikh nauk, dotsent; & others (Card 2)

[Railroad man's technical manual] Tekhnicheskii spravochnik zheleznydorozhnika. Red.kollegiia; V.I. Vlasov. A.N.Egorov, N.P. Zobnin, E.F.Rudoi (Glav.red.) A.V.Sokolov. Moskva, Gos.transportnoe zhel-dor.izd-vo. Vol. 12 [Processing metals at railroad transport enterprises] Obrabotka metallov na predpriyatiakh zhelezno-dorozhnogo transporta. Otvet.red. N.P.Zobnin. 1954. 671 p.(MLRA 8:11)

1. Chlen-korrespondent, Akad SSSR (for Oding)  
(Mechanical engineering)

RUBINSSTEYN, S.A.

Cutters for expansion holders. Stan. i instr. 26 no.4:36-37  
(MLRA 8:6)  
Ap '55.  
(Cutting tools)

RUBINSHTEYN, S.A., kandidat tekhnicheskikh nauk.

Tolerances for figure-forming cutting tools. Vest. mash. 35 no.9:  
74-79 S '55. (Cutting tools) (MLRA 9:1)

RUBINSHTEYN, S. A.  
ALFEROV, A. A.; ARTEMKIN, A. A.; ASHKENAZI, Ye. A.; VINOGRADOV, G. P.; GALEYEV, A. U.,  
GRIGOR'YEV, A. N.; D'YACHEMKO, P. Ye., ZALIT, N. N.; ZAKHAROV, P. M.; ZOBNNIN, N. P.;  
IVANOV, I. I.; IL'IN, I. P.; KMETIK, P. I.; KUDRYASHOV, A. T.; LAPSHIN, F. A.;  
MOLYARCHUK, V. S.; PERTSOVSKIY, L. M.; POGODIN, A. M.; RUDOV, M. L.; SAVIN, K. D.;  
SIMONOV, K. S.; SITKOVSKIY, I. P.; SITNIK, M. D.; TETEREV, B. K.;  
TSETYRKIN, I. Ye.; TSUKANOV, P. P.; SHADIKYAN, V. S.; ADELUNG, N. N.,  
retsenzent; AFANAS'YEV, Ye. V., retsenzent; VLASOV, V. I., retsenzent;  
VOROB'YEV, I. Ye., retsenzent; VORONOV, N. M., retsenzent; GRITCHENKO, V. A.,  
retsenzent; ZHEREBIN, M. N., retsenzent; IVLIYEV, I. V., retsenzent;  
KAPORTSEV, N. V., retsenzent; KOCHUROV, P. M., retsenzent; KRIVORUCHKO, N. Z.,  
retsenzent; KUCHKO, A. P., retsenzent; LOBANOV, V. V., retsenzent;  
MOROZOV, A. S., retsenzent; ORLOV, S. P., retsenzent; PAVLUSHKOV, E. D.,  
retsenzent; POPOV, A. N., retsenzent; PROKOF'YEV, P. F., retsenzent;  
RAKOV, V. A., retsenzent; SINEGUBOV, N. I., retsenzent; TERENIN, D. F.,  
retsenzent; TIKHOMIROV, I. G., retsenzent; URBAN, I. V., retsenzent;  
FIALKOVSKIY, I. A., retsenzent; CHEPYZHES, B. F., retsenzent; SHEBYAKIN, OS.,  
retsenzent, SHCHERBAKOV, P. D., retsenzent; GARNYK, V. A., redaktor;  
LOMAGIN, N. A., redaktor; MORDVINKIN, N. A., redaktor; NAUMOV, A. N.,  
redaktor; POBEDIN, V. F., redaktor; RYAZANTSEV, B. S., redaktor;  
TVERSKOV, K. N., redaktor; CHEREVATYY, N. S., redaktor; ARSHINOV, I. M.,  
redaktor; BABELYAN, V. B., redaktor; BERNGARD, K. A., redaktor;  
VERSHINSKIY, S. V., redaktor; GAMBURG, Ye. Yu., redaktor; DERIBAS, A. T.,  
redaktor; DOMBROVSKIY, K. I., redaktor; KORNEYEV, A. I., redaktor;  
MIKHEYEV, A. P., REDAKTOR; MOSKVIN, G. N., redaktor; RUBINSHTEYN, S. A.,  
redaktor; TSYPIN, G. S., redaktor; CHERNYAVSKIY, V. Ya., REDAKTOR;  
CHERNSHEV, V. I., redaktor; CHERNSHEV, M. A., redaktor; SHADUR, L. A.,  
REDAKTOR; SHISHKIN, K. A., redaktor.

ALFEROV, A. A.----- (Continued) Card 2

(Railroad handbook) Spravochnaja knizhka zheleznodorozhnika, Izd] 3-e, ispr. i dop. Pdo obshchei rad. V. A. Garkyja. Moskva. Gos. transp. Zhel-dor. izd-vo. 1956, 1103 p. (MLRA 9:10)

1. Nauchno-tehnicheskoye obshchestvo zheleznodorozhnogo transportsa.  
(Railroad)

AID P - 5384

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 14/28

Author : Rubinshteyn, S. A.

Title : Axial forming tools

Periodical : Stan. i instr., 9, 30-31, S 1956

Abstract : The theory, design and application of axial forming cutters are concisely presented. Five formulae, 1 drawing (three phases).

Institution : None

Submitted : No date

RUBINSHTEYN, S.A.; PATRAT'YEV, A.G.

Selecting the hard alloy brand for turning high-alloyed steels. Stan.i  
instr. 35 no.9:25-26 S '64. (MIRA 17:10)

LAKHOV, B.; RUBINSHTEYN, S.

Control over the stock of equipment in construction. Fin. SSSR  
23 no.9:47-52 S '62. (MIRA 15:9)  
(Construction industry—Equipment and supplies)  
(Banks and banking)

RUBINSHTEYN, S.A.; SEROV, A.V.

Deep drilling of stainless-steel parts. Stan.i instr. 32 no.12:  
27-28 D '61. (MIRA 14:12)  
(Drilling and boring)

S/121/61/000/012/006/001  
D040/D112

AUTHORS: Rubinshteyn, S.A. and Serov, A.V.  
TITLE: Deep drilling in stainless-steel parts

PERIODICAL: Stanki i instrument, no. 12, 1961, 27-28

TEXT: To find whether it was possible to increase the productivity of the deep drilling of parts made from 1Kh18N9T steel, rod samples 36 mm in diameter and 250-260 mm long were drilled with drills having various combinations of drill point angles, chip-splitting thresholds on the lip (Fig. 2). Drills made from P18 (R18) high-speed steel and drills with BK8 (VK8) alloy tips were used in conjunction with a 1K62 (1K62) lathe. The drill was fixed in the tailstock and the sample was held in the chuck. The feeds used ranged from 0.07 to 0.2 mm/rev, a speed of 200 rpm being used for the high-speed steel drills and a speed of 300 rpm for the carbide-tipped drills. The cutting parameters were chosen in accordance with existing recommendations. Drills with a conventional point and drills with thresholds proved unsatisfactory, as the chip jammed in the chuck. The clearance surface (thresholds) was chosen in accordance with existing recommendations. Drills with a conventional point and drills with thresholds proved unsatisfactory, as the chip jammed in the chuck.

Card 1/3

S/121/61/000/012/006/007  
D040/D112

Deep drilling in ...

and the drills broke. Points with chip-dividing grooves proved to be the best, points with two grooves proving to be more durable than those with three grooves. Considerable durability and good chip removal were achieved with the drill shown in Fig. 1, in which  $B$  is equal to  $0.35d$ . Such drills lasted for 65-90 minutes at a feed of  $0.1 \text{ mm/rev}$  and permitted drilling without retracting the drill to a depth equal to  $5d$ . The following technological process was finally chosen for application with these drills: centering, drilling to a depth of  $60\text{-}80 \text{ mm}$  by short drills at  $n = 200 \text{ rpm}$  and  $s = 0.178 \text{ mm/rev}$ , followed by drilling with long drills at  $n = 200 \text{ rpm}$  and  $s = 0.102 \text{ mm/rev}$ . As it was not necessary to retract the drill for the purpose of removing the chip, the productivity of the process was doubled and the durability of the drills increased. Intensive cooling of thin-walled workpieces is recommended, as during deep drilling the heat passes mainly into the workpiece. It is also recommended to reduce the cutting angle on the drill point when machining very tough material, as this reduces the thickness of the chip in the zone of fast cutting speeds. There are 4 figures and 5 references: 4 Soviet and 1 non-Soviet-bloc.

Card 2/3

Deep drilling in ...

S/121/61/000/012/006/007  
DO40/D112

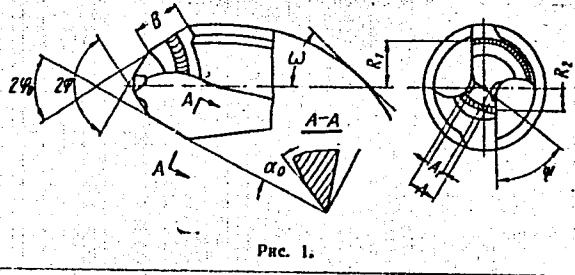


Fig. 1.

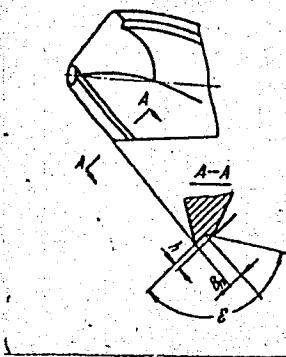


Fig. 2.

Card 3/3

SLEZNIKOV, G.I., inzh.; ANRIENKOVA, Ye.G., kand.tekhn.nauk; GRUDOV, P.P.,  
kand.tekhn.nauk [deceased]; DEGTYARENKO, N.S., kand.tekhn.nauk;  
IMSHENNICK, K.P., kand.tekhn.nauk; KASENKOVA, M.A., kand.tekhn.  
nauk; MEL'NIKOV, N.F., inzh.; MALOV, A.N., kand.tekhn.nauk;  
POKRÖVSKIY, B.V., inzh.; POLYAK, S.M., kand.tekhn.nauk; POLYANSKIY,  
A.N., kand.tekhn.nauk; POPILOV, L.Yu., inzh.; POPOV, V.A., kand.  
tekhn.nauk; RUBINSHTEYN, S.A., kand.tekhn.nauk; SOKOLOV, N.L.,  
inzh.; SHAMIRGON, S.A., inzh.; SHESTOPAL, V.M., kand.tekhn.nauk;  
SHUKHOV, Yu.V., kand.tekhn.nauk; ACHERKAN, N.S., prof., doktor  
tekhn.nauk, glavnyy red.; VLADISLAVLEV, V.S., red. [deceased];  
POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B.,  
red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh., red.;  
KARGANOV, V.G., inzh., red.graficheskikh rabot; SOKOLOVA, T.F.,  
tekhn.red.

[ Metalworking handbook in five volumes] Spravochnik metallista  
v piati tomakh. Chleny red.soveta: V.S.Vladislavlev i dr.  
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.3..  
Book 2. [Ferrous and nonferrous metal products] Sortament chernykh  
i tsvetnykh metallov. 1958. 204 p. Vol.4. 1958. 778 p. (MIRA 12:1)  
(Metalwork)

RUBINSHTEYN, S.A.

Stresses and forces in metal cutting. Nauch.dokl.vys.shkoly;  
mash.i prib. no.4:170-180 '58. (MIRA 12:5)

1. Stat'ya predstavlena kafedroy "Rezaniye metallov" Moskov-  
skogo vechernego mashinostroitel'nogo instituta.  
(Metal cutting)

RUBINSHTEYN, S.A.

SOKOLOV, N.L.

32(2), (7) p.3

MARK I BOOK EXPLORATION

SOV/1237

Spetsialistskaya vydavtstvo i izdatelstvo, t. 1, "Metall Engineering Handbook  
in Five Volumes", Vol. 4, Moscow, 1958. 778 p. 50,000 copies printed.

Ms. [Title page]; A.F. Malov, Candidate of Technical Sciences, Ed. (Volume Book);

V.I. Dryer, Bugleev, Tech. Ed.; T.P. Sokolova; Editorial Board, Ed.  
A.S. Arshavin (Chairman and Chief Ed.), Doctor of Technical Sciences, Professor;  
V.A. Vladimirov, Professor (Deceased); A.M. Molnar, Graduate of Technical  
Sciences; S.N. Tsvetkovskiy; A.Ya. Kotovskiy, O.I. Stokhai, and S.A. Chernavskiy;  
Managing Ed. for Reference Literature, V.I. Krylov, Author.

PURPOSE: This handbook may be useful to technicians and engineers working in the  
field of machine design and production.

CONTENTS: This volume covers the following topics: casting, forging, pressing,  
machining, welding, electric methods of machining, and metal cutting. Recently  
developed electrical methods of machining which are not yet used in production  
are described via the so-called "Electropolish" and "Electrohydrodubile" methods.  
See personalities are mentioned. There are 79 Soviet references.

Card 49.

1. Cutting Processes (P.P. Gruber (Deceased), Ye.O. Amelikov, and G.I.  
Bogaturov, Candidates of Technical Sciences)  
a. General  
b. Elements of cutting processes  
c. Turning operations  
d. Planing and shaping  
e. Milling and end-milling  
f. Counterboring and reaming  
g. Broaching  
h. Milling  
i. Cutting with direct-type arms  
j. Cutting with powered hand-tools and with hand-tools  
k. Thread cutting  
l. Shaving operations  
m. Grinding operations

ZEL'NITSKIY, N.N., inzhener; RUBINSHTEYN, S.B., inzhener

Continuous live for planing lumber for window sashes. Der.prom.  
4 no.7:20-21 J1'55. (MIRA 8:10)

1. Karacharovskiy derevoobrabatyvayushchiy kombinat Glavstandart-  
doma MPSM SSSR  
(Karacharovo--Woodworking industries) (Sashes)

ZEL'NITSKIY, N.N.; RUBINSHTEYN, S.B.

Automatization of a pendulum saw. Der.prom. 4 no.11:21 II '55.

(MIRA 9:2)

1.Karacharovskiy derevsebrabatyvayuchchiy kombinat Glavstandart-  
dema Ministerstvo promyshlennosti strelitel'nykh materialov SSSR.  
(Saws)

RUBINSHTAJN, S.F.

PUCHKOV, N.G.; RUBINSHTAYN, S.F.

Using the ZIL-120 diesel engine for studying starting qualities of  
oils. Trudy VNII MP no.6:24-32 '57. (MIRA 10:10)  
(Diesel fuels)

RUBINSHTEYN, S.F.

PHASE I BOOK EXPLOITATION 917

Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti  
i gaza i polucheniyu iskusstvennogo zhidkogo topliva

Issledovaniye i primeneniye nefteproduktov (Study and Use of  
Petroleum Products) Moscow, Gostoptekhizdat, 1957. 213 p.  
(Series: Its: Trudy vyp. 6) 1,000 copies printed.

Eds.: Puchkov, N.G., Zaslavskiy, Yu. S.; Executive Ed.: Kleymenova,  
K.F., Engineer; Tech. Ed.: Mukhina, E.L.

PURPOSE: This book is intended for engineering and scientific  
personnel concerned with the production, study and use of petroleum  
products.

COVERAGE: This collection of articles gives the results of the  
scientific research work of the Vsesoyuznyy nauchno-issledovatel'-  
skiy institut po pererabotke nefti i gaza i polucheniyu  
iskusstvennogo Zhidkogo topliva (All-Union Scientific Research  
Institute for the Processing of Petroleum and Gas for the  
Production of Synthetic Liquid Fuel) on the operational properties

Card 1/2

Study and Use of Petroleum Products 917

of fuels and lubricating oils and describes methods for investigating, by the use of radioactive isotopes, the chemical composition and physicochemical properties of petroleum products and the wear-resistant properties of oils.

TABLE OF CONTENTS:

I. TESTING FUELS AND LUBRICATING OILS

Puchkov, N.G.; Serov, A.V.; Belyanchikov, G.P.; Reznikov, V.D.; and Pychkov, S.I. Motor Properties of Diesel Oils from Sulfurous Petroleum	3
--	---

Diesel oil from eastern Devonian petroleum deposits with high sulfur content (up to 1 percent or more) was evaluated on the basis of the following criteria: 1) motor properties, 2) power and economy factors (in motor D-35), 3) wear of motor parts (the main criterion), and 4) functional stability. Laboratory investigations and extended tests of this oil, with additives "aznii-4" and "tsiatim-339", showed that it guarantees normal length of service for tractor and automobile diesels (D-35 and YaAZ-204 respectively), and is equal in quality to

Card 2/17

Study and Use of Petroleum Products 917

oil from Baku deposits. There are 8 tables and 1 Soviet reference.

Puchkov, N.G., and Belyanchikov, G.P. Fuel for High-speed Diesels

13

The present article gives comparative test data on standard fuel (according to GOST 4749-49 DL), fuel from the heavier fractions of petroleum, and compound fuel (a mixture of gas oil fuel and fuel from heavier fractions in a ratio of 30:70), on the basis of their performance in a two-cycle YaAZ-204 engine. It is concluded that fuel from the heavier fraction of petroleum may be utilized with a slight increase in viscosity (12 cst or  $\eta_{20} \approx 2$ ) and the absence of heavy tarry residues (95 percent vaporizes at 400°). Fuels from catalytic cracking with a cetane number of 40, in the pure state and mixed with fuels of direct distillation may be widely used in modern tractor engines. There are 4 tables, 6 figures and 6 Soviet references.

Card 3/2

Study and Use of Petroleum Products 917

Puchkov, N.G. and Rubinshteyn, S.F. Investigation of the  
Starting Qualities of Oils in Motor ZIL-120

24

This article gives the comparative results of the role of the viscosity of oils at low temperatures in starting motors ZIL-120 and GAZ-51. The installation of a more powerful starter may increase the limit viscosity which fixes the flowability and starting temperature limits of the oil within the intervals 100 to 300 poises and 20-25 to 100 poises, respectively. Experimental data indicate that for these two large motors the minimum viscosity values for oil are 250 and 100 poises for flowability and starting respectively. There are 8 figures, 2 tables and 4 Soviet references.

Reznikov, V.D. On Methods and Extent of Motor Tests of Lubricating Oils

33

The author states that present methods of testing lubricating oils are neither satisfactorily accurate nor comprehensive in providing data which will aid in choosing the proper oil for a given motor. Proposals for improving these conditions are given. There are 7 tables and 6 references, of which 5 are Soviet and 1 English.

Card 4/17

RUBINSHTEYN, S.F., kand. tekhn. nauk

Study of the start of an internal combustion engine. Trudy  
(MIRA 17:8)  
VZET no.20:31-43 '52.

RUBINSHTEYN, S. F. (Engr)

RUBINSHTEYN, S. F. (Engr) — "Investigation of the Effect of Low-Temperature Properties of Lubricants and Multifunctional Additions on the Wear and Tear of a Carburetor Engine." Sub 23 May 52, Moscow Automotive Mechanics Inst (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

RUBINSHTEYN, S. F.

"The Effect of Engine Performance on Engine Wear", p 11, in the Monograph  
"Investigation and Use of Petroleum Products", edited by N. G. Puchkov "Gostoptekhizdat,  
Moscow-Leningrad, 1950.

KULIKOV, N.P.: RUBINSHTKIN, S.I.

Reconstruction of blast furnaces with an increase in their working  
volume. Stal' 24 no.7:593-595 Jl '64.

(MIRA 18:1)

RUBINSHTEYN, S.L.; SOKOLOV, A.N.; LURIYA, A.R.; LEONT'YEV, A.N.; SMIRNOV,  
A.A.; GONOBOLIN, F.N.; MENCHINSKAYA N.A.; ZHINKIN, N.I.;  
IGNAT'YEV, Ye.N.; EL'KONIN, D.B.; UREVICH, K.M.; GUR'YANOV, Ye.V.;  
LEYTES, N.S.; KRUTETSKIY, V.A. Frinimali uchastiye: POLYAKOV, G.I.;  
SHEMYAKIN, F.N.; TEPLOW, B.M., red.; VVEDENSKAYA, L.A., red.;  
DRANNIKOVA, M.S., tekhn. red.

[Psychology] Psikhologija; uchebnik dlja pedagogicheskikh institutov.  
Pod red. A.A. Smirnova i dr. Izd.2. Moskva, Uchpedgiz, 1962. 558 p.

1. Akademija pedagogicheskikh nauk RSFSR, Moscow. In-<sup>(MIRA 15:11)</sup>  
stitut psikhologii.

(PSYCHOLOGY)

ARMAND, G.B.; VYAZ'MIN, V.A.; GRINSHTEYN, L.M.; GOL'DBERG, G.I.; GOLUBEV, B.S.; KASHLAKOV, M.V.; KRASNOPEVTSEV, M.P.; KUZNETSOV, S.I.; KURAYEV, A.V.; KAYUKOV, G.I.; MASHATIN, V.I.; MOLOTOLOV, V.I.; NERUSH, A.R.; PRAL', G.I.; RAGUSKAYA, L.F.; RUBINSHTEYN, S.M.; SEMENKOV, P.L.; TARASOV, L.A.; FEDOROVA, A.A.; TSEPKN, M.F.; SHAYEVICH, A.G.; ZARUBIN, A.G., otv.red.; VASIL'YEVA, I.A., red. izd-va; SOKOLOVA, T.F., tekhn.red.

[ZIL-157 motortruck; operation and service] Avtomobil' ZIL-157; instruktsiia po ekspluatatsii. Gos.nauchno-tekhn.izd-vo mashino-stroit.lit-ry, 1958. 235 p. (MIRA 11:12)

1. Moskovskiy avtomobil'nyy zavod.  
(Motortrucks)

KAZ'MIN-BALASHOV, A.I., inzh.; RUBINSHTEYN, S.L.

Standard designing of structures for purifying petroleum refinery  
waste waters. Vod. i san. tekhn. no. 5:13-19 '64. (MIRA 17:9)

RUBINSHTEYN, S.L.

Deactivation of sulfur-alkali wastes in oil refineries. Khim.i  
tekh.topl.i masel 8 no.2:68-71 F '63. (MIRA 16:10)

BALASHOV, A.I.; ARONOV, S.N.; YERESNOV, N.V.; MOSKVITIN, A.S.;  
NEMIROVSKIY, D.B. [deceased]; RUBINSHTEYN, S.L.;  
POPOVA, V.V.; KHASKIN, S.A.

"Handbook on water supply and sewerage." Reviewed by  
A.I. Balashov and others. Vod. & san. tekhn. no.12:32-34  
D '62. (MIRA 15:12)

(Water supply)  
(Sewerage)

RUBINSHTEYN, S.M.

KURAYEV, A.V.; SEMENOV, P.L.; BELYI, N.G.; BULAVA, V.P.; VYAZ'MIN, V.A.;  
GOLUBEV, B.S.; DYSHMAN, B.M.; KARAEV, B.S.; KAYUKOV, G.I.; KUGEL',  
N.V.; MASHATIN, V.I.; RAGUSKAYA, L.F.; RUBINSHTEYN, S.M.; SEMENOV,  
A.B.; TARASOV, L.A.; FEDOROVA, A.A.; FEDOROV, L.N.; TSERKIN, M.P.;  
SHAYEVICH, A.G.; VASIL'YEVA, I.A., red. izd-va; TIKHANOV, A.Ya.,  
tekhn. red.

[ZIL-158 and ZIL-158A motorbuses; instructions for operation] Avtobusy  
ZIL-158 i ZIL-158A; instruktsiya po eksploatatsii. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 193 p.  
(MIRA 1117)

1. Moskovskiy avtomobil'nyy zavod.  
(Motorbuses)

RUBINSHTEYN, S.V.

[Financing construction work; a compilation of the most important governmental decisions and directives of the Ministry of Finance of the U.S.S.R. on capital investments of state organizations]  
Finansirovaniye stroitel'stva. Sbornik vazhneishikh pravitel'stvennykh reshenii i ukazanii Ministerstva finansov SSSR po finansirovaniyu kapitalovlozhenii gosudarstvennykh organizatsii. Sostavil S.V. Rubinshteyn. Moskva, Gosfinizdat, 1948. 382 p. (MLRA 10:6)

1. Russia (1923- ) U.S.S.R.) Laws, statutes, etc.  
(Construction industry--Finance)

ANDRONOV, Vladimir Kuz'mich, DIKALOV, Yevgeniy Timofeyevich, RUBINSHTEYN,  
Sholom Yakovlevich; DRONGA, I.I., red.; KLEBANOV, M.Ya., red.;  
OSOKINA, A.M., red. izd-va.; BACHURINA, A.M., tekhn. red.

[TDT-40 skidding tractor] Trelevochnyi traktor TDT-40. Moskva,  
(MIRA 11:11)  
Goslesbumizdat, 1958. 266 p.  
(Lumbering--Machinery)  
(Tractors)

RUBINSHTEYN, S.Ya.

Use of experimental methods for studying psychopathological phenomena. Trudy Gos. nauch.-issl. inst. psikh. 43:14-41 '65.

Degeneration of habits in aged mental patients. Ibid.:58-67  
(MIRA 18:9)

1. Laboratoriya eksperimental'noy patopsikhologii (zav. laboratoriyey - doktor pedagogicheskikh nauk B.V.Zeygarnik) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii, Moskva.

YANKOV, N.I.; RUBINSHTEYN, S.Ya.; ALEKSANDROV, B.I.

Causes of the occurrence of cracks in the cylinder heads of  
diesel engines and ways for their correction. Trakt. 1  
sel'khozmash. no.8:7-9 Ag '65. (MIRA 18:10)

1. Institut mashinovedeniya AN BSSR i MMZ.

GOLODETS, R.G.; ZEYGARNIK, B.V.; RUBINSHTEYN, S.Ya.

Clinical and pathopsychological characteristics of asthenic states  
due to chronic irradiation. Vop. psikh. 9 no.5:129-139  
(MIRA 17:2)  
S-O '63.

1. Institut psikiatrii Ministerstva zdravookhraneniya RSFSR,  
Moskva.

ACCESSION NR: - AP3010698

- S/0245/63/000/005/0129/0139

AUTHOR: Golodets, R. G.; Zyegarnik, B. V.; Rubinshteyn, S. Ya.

TITLE: Clinical and pathopsychological characteristics of asthenic states developing with chronic irradiation

SOURCE: Voprosy psichologii, no. 5, 1963, 129-139

TOPIC TAGS: radiation sickness, chronic radiation sickness, asthenic state, psychological test, mental capacity, reduced mental capacity, fatigue, memory loss, emotional instability, personality change

ABSTRACT: Clinical and experimental psychological investigations were made of patients (doctors, X-ray technicians, and laboratory personnel) who in the course of their work had developed chronic radiation sickness because of inadequate safety measures. In addition to various physiological shifts, all patients were found to be in an asthenic state. Patients complained of weakened memory, inability to concentrate, fatigue, and emotional instability. Various psychological tests confirm these complaints and clearly show

Card 1/2

ACCESSION NR: AP3010698

that these factors greatly reduce the capacity of patients for mental work. In more serious cases, the mental disorders are found somewhat comparable to those in organic diseases such as sclerosis of the brain and Parkinson's disease. Patients who are less seriously ill undergo greater personality changes than more seriously ill patients because they try harder to compensate for their inadequacies. Orig. art. has: None.

ASSOCIATION: Institut psichiatrii MZ RSFSR, Moskva (Institute of Psychiatry, MZ, Russian Socialist Federative Soviet Republic)

SUBMITTED: 00

DATE ACQ: 15Nov63

ENCL: 00

SUB CODE: AM

NO REF SOV: 011

OTHER: 004

Card 2/2

RUBINSHTEYN, S.Ya., (Moskva)

Studying the psychology of work. Vop. psichol. 2 no.4:46-53  
Jl-Ag '56. (MLRA 9:10)

(Punched card systems) (Psychology, Industrial)

RUBINSHTEYN, S.Ya.

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(CEREBROVASCULAR DISEASE) (MOVEMENT (PHYSIOLOGY))

BOYKOV, Petr Ivanovich; DRONG, I.I.; PRITSKER, P.Ya.; RUBINSHTYN, Sh.Ya.;  
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FEDOTOVA, A.F., tekhnicheskiy redaktor

[ "Belarus" MTS-1 and MTZ-2 tractors] Traktory "Belarus'" MTS-1  
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(Tractors)

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Banshchikov) Gosudarstvennogo nauchno-issledovatel'skogo insti-  
tuta psichiatrii Ministerstva zdravookhraneniya RSFSR.  
(CEREBROVASCULAR DISEASE)(MUSCULAR SENSE)

RUBINSKIEV, S.YE.

PHASE I BOOK EXPLOITATION SOV/4266

Progressivnaya tekhnologiya i vysokoproizvoditel'nyy instrument; opyt KhTGZ imeni Kirova (Advanced Processing and Highly-Productive Tools; Experience of the Kharkov Turbogenerator Plant imeni Kirov) Moscow, Mashgiz, 1960. 155 p. 5,500 copies printed.

Reviewer: P. Ye. Dudnik Engineer; Ed.: M. S. Soroka; Chief Ed. (Southern Division, Mashgiz): V. K. Serdyuk, Engineer.

PURPOSE: This booklet is intended for technical personnel and innovators.

COVERAGE: The booklet discusses the experience of innovators and technical personnel in introducing advanced processes and machine tools at the KhTGZ imeni Kirov (Khar'kov Turbogenerator Plant) for the manufacture of steam turbine rotors, for tapping coarse threads, processing steam turbine blades. Experience in introducing artificial cooling for interference fits, and in mastering the manufacture of welded steam-turbine rotors is described. The

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## Advanced Processing (Cont.)

SOV/4266

booklet covers the advances in technology developed and introduced at the factory in the last few years. No personalities are mentioned. No references are given.

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AVAILABLE: Library of Congress

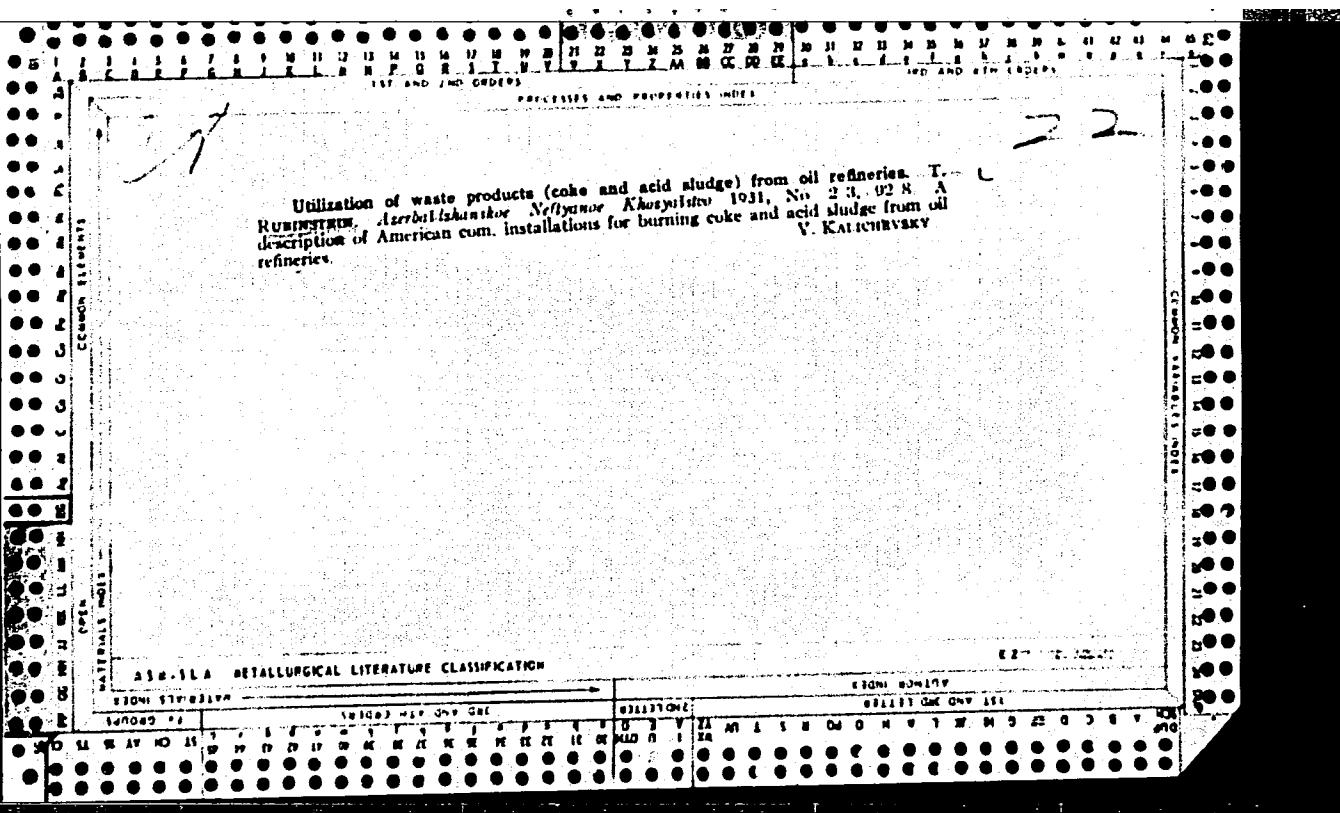
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KOROL'KOV, D.N. [Karal'kov, D.N.], dotsent: RUBINSHTEYN, Sh.Ya., inzh.

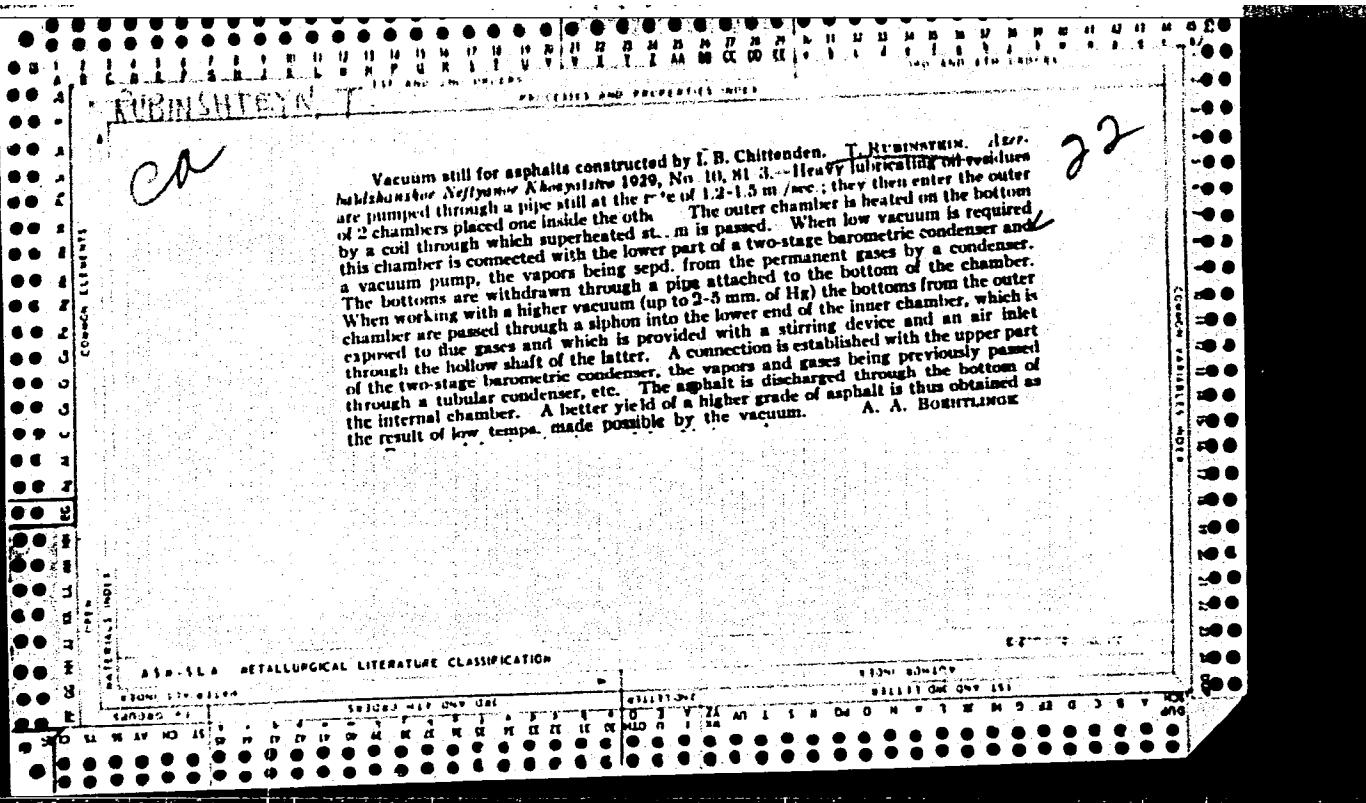
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(Gas and oil engines)



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TSYRIN, A.A., red.; BARANOVA, E.G., tekhn.red.

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Ye.T., kand. tekhn. nauk, ved. red.; SOROKINA, T.M., tekhn.  
red.

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